

App No.: 10/603,472 Inventor: Takakuni Ueno Docket No.: 00152/100H027-US1

Title: STEREOLITHOGRAPHIC APPARATUS AND METHOD FOR MANUFACTURING THREE-DIMENSIONAL OBJECT WITH PHOTOHARDENABLE RESIN Sheet 1 of 17

FIG. 1

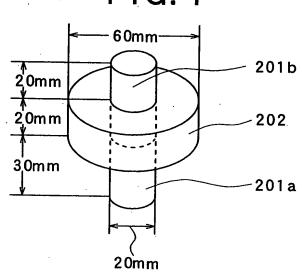


FIG. 2A

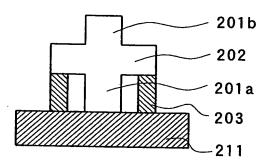


FIG. 2B

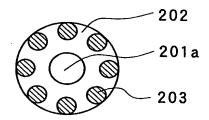


FIG. 3A

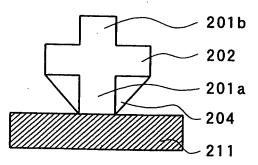
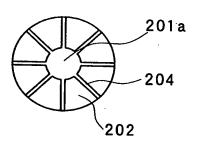


FIG. 3B



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FIG. 4A

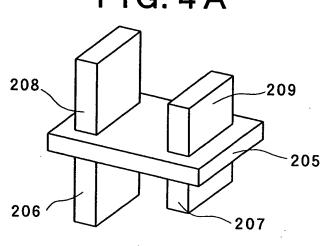


FIG. 4B FIG. 4C FIG. 4D

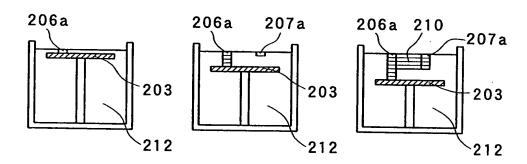


FIG. 4E

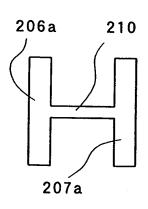
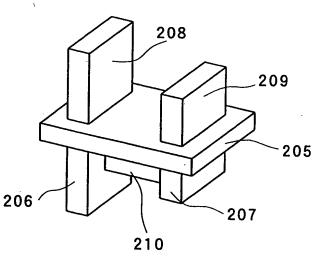
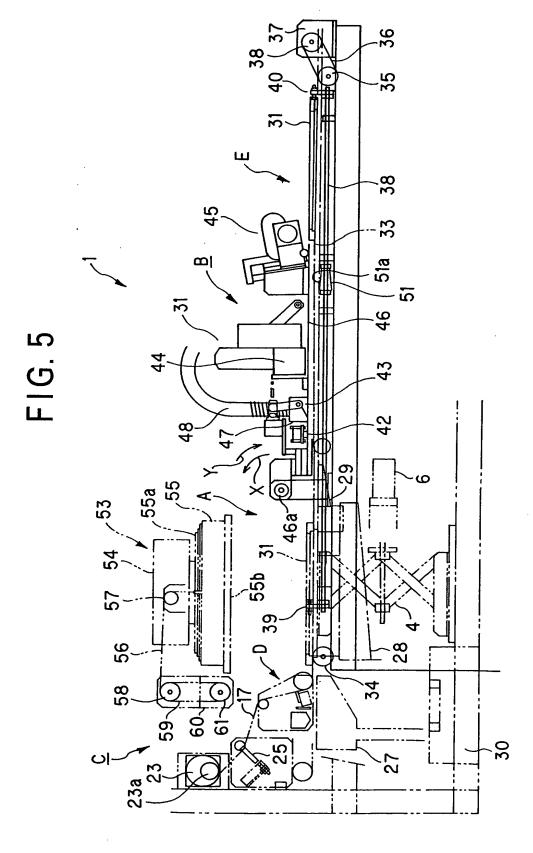


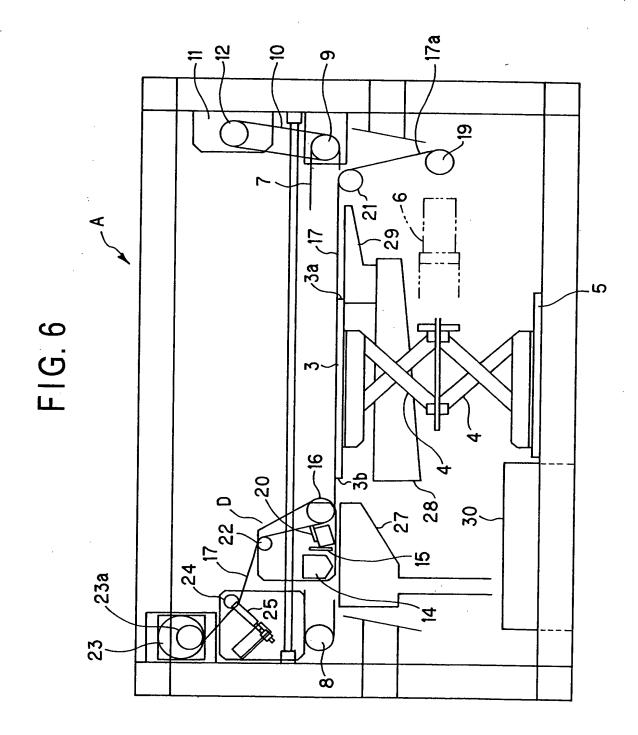
FIG.4F



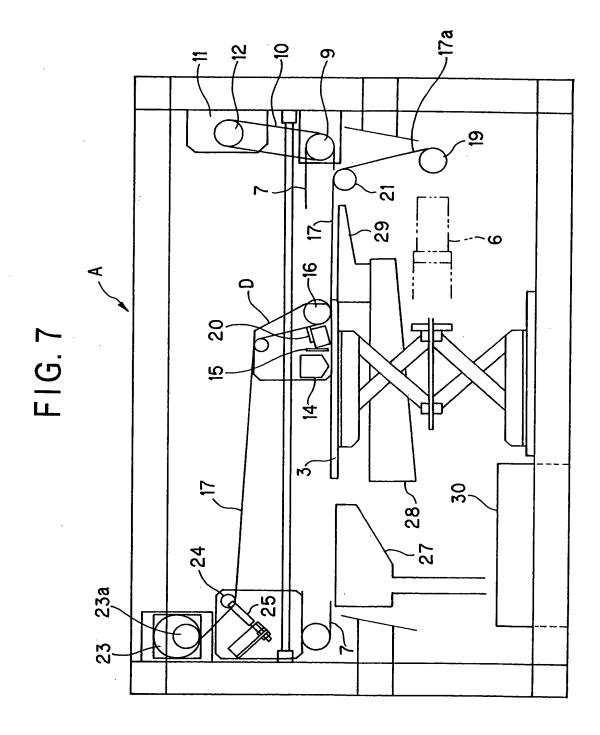


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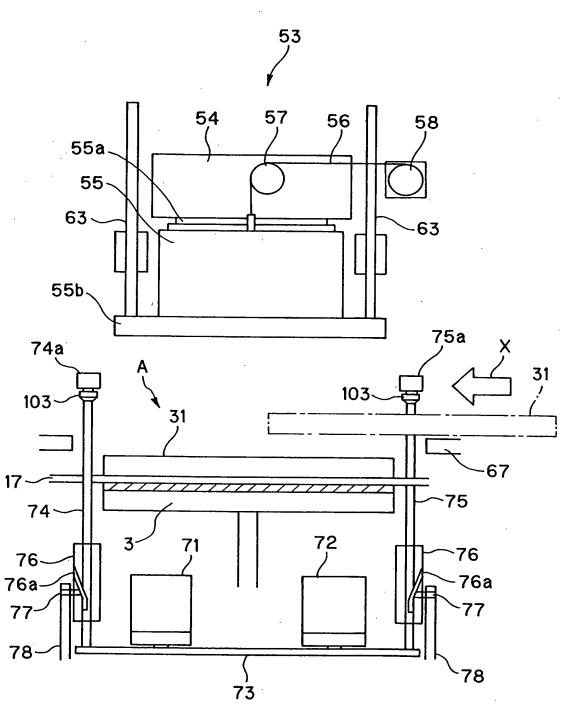


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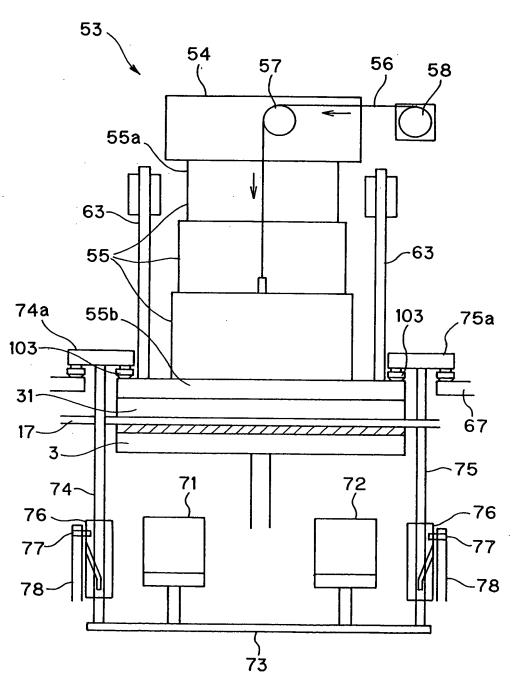
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FIG. 8



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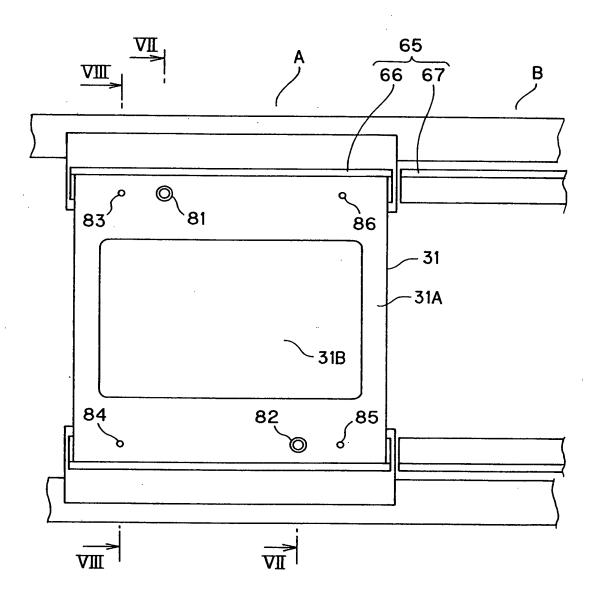
FIG. 9



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FIG. 10



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FIG.11A

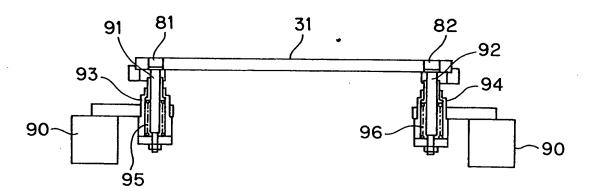
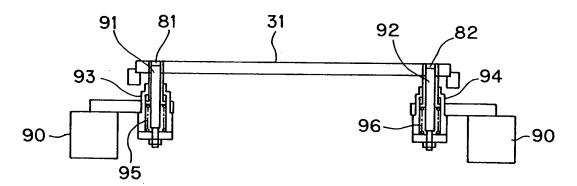


FIG. 11B



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FIG. 12A

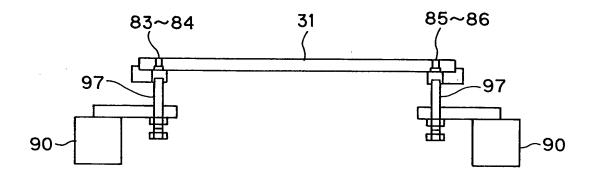
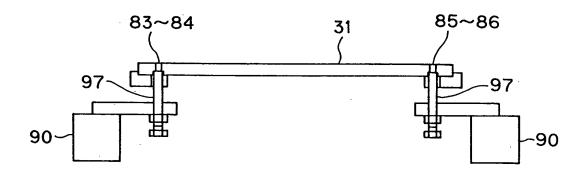


FIG. 12B



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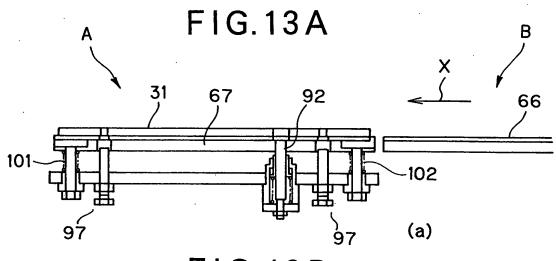


FIG.13B

PRESS BY AIR CYLINDER

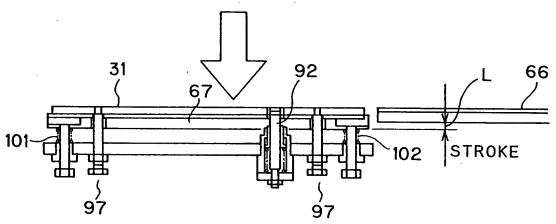
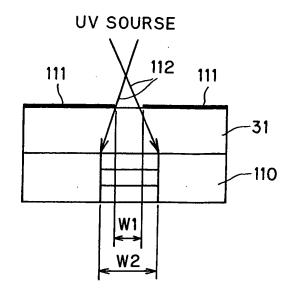


FIG. 14

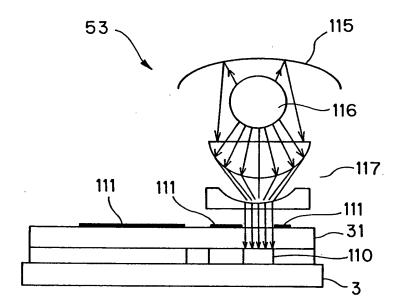


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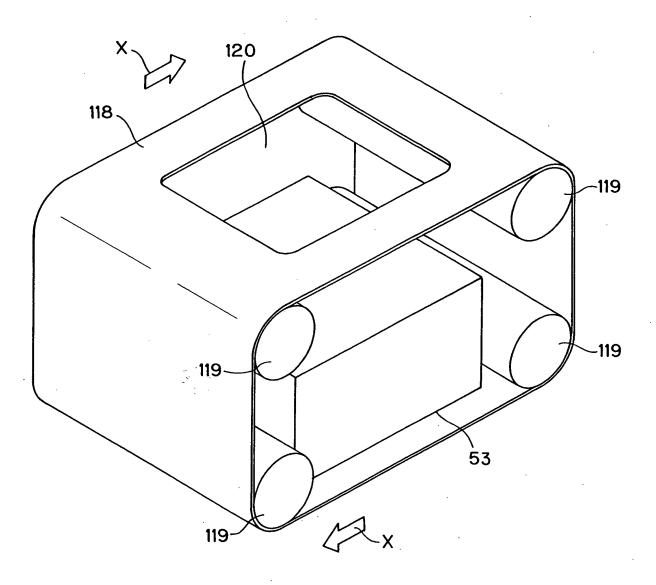
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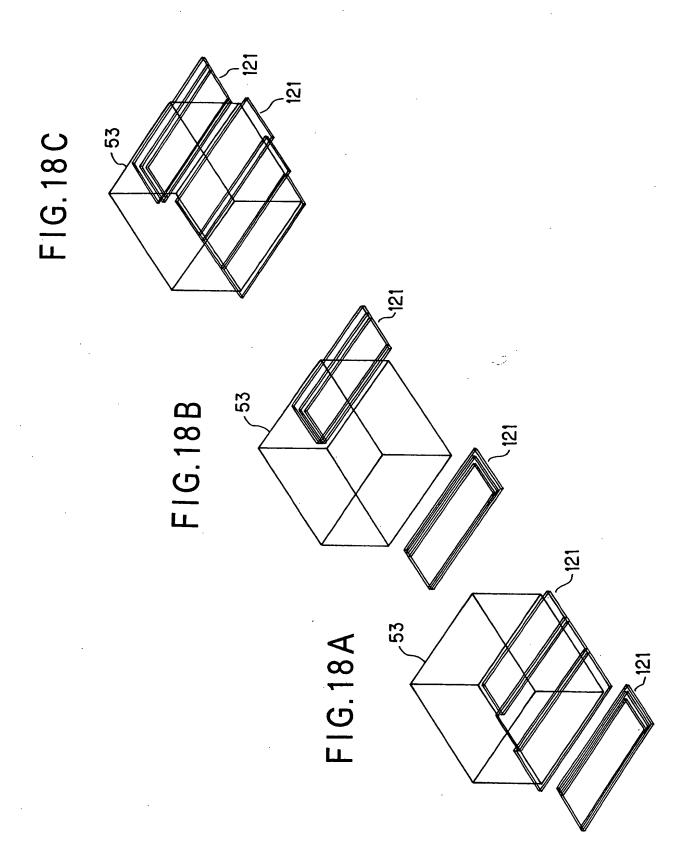
FIG. 16



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FIG. 17





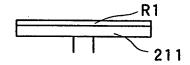
App No.: 10/603,472 Inventor: Takakuni Ueno

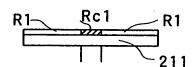
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FIG. 19A FIG. 19B FIG. 19C





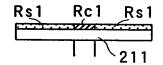
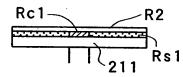
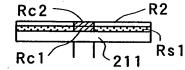


FIG. 19D FIG. 19E FIG. 19F





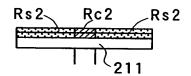
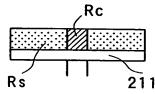
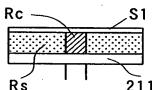


FIG. 19G

FIG. 19H

FIG. 19 I





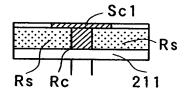
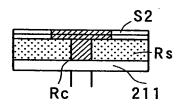


FIG. 19J

FIG. 19K



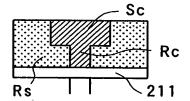
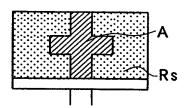
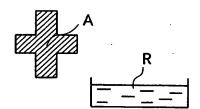


FIG. 19L

FIG. 19M



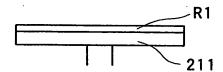


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FIG. 20A

FIG. 20B



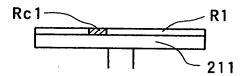
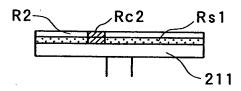


FIG. 20C

FIG. 20D



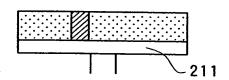
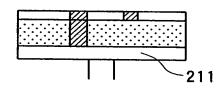


FIG. 20E

FIG. 20F



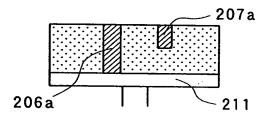
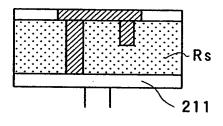


FIG. 20G

FIG. 20H



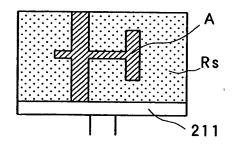


FIG. 20 I